Missouri Botanical Garden
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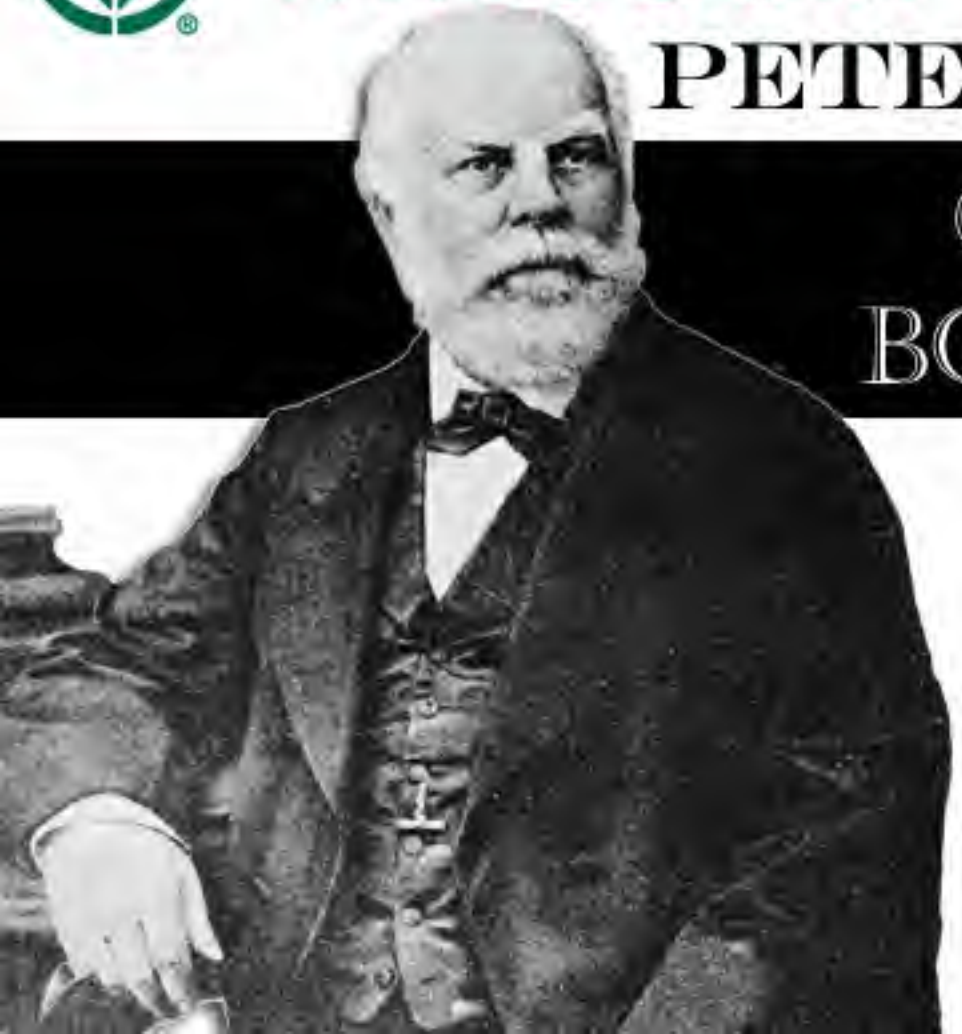
George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Collection of Jas Cook & Herb reg. Monach.
Nov. 1857

2150

Cereus Columna Trajani, Karwinsk. Mex. 1500
1 foot high, 18 ins 2 - 2½ inch diam
Spines almost all broken off; coming off in whole fascicles
as in many Torrid Cerei; Spines white, hyaline
1 large (2") angular, central, deflexed, 1 short
one (½") above that, porrect; the others shorter
short, more or less radiating; Cover one longest
These spines seem to be on part of plant
grown here, one bunch, probably original in
form & case; 4 central bulbous Spines, the 3
upper ones ½ - 1 inch, lower one 3-4 inches;
Plant very many branched at top; texture
hard - areolae approximate

This is either a very young specimen or has
been wrongly named — C. Columna Trajani is a
tall Torrey see Salm p. 184 Pfeiff p. 76

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Herb Reg. Berolin Rom 1869

Cereus Cartisii

Hort Berolin Jul 1843

a flower – section shows plainly the nectarian cavity almost closed by the base of the inner stamens united. base of style very much dilated & erect stigmata

1161

stamens almost as long as corolla, filaments of outer ones very short

Figure 2 inch longer than dried specimen

very few subulate (membranous?) scales on ovary, four a little longer ones on lower part of fleshy tube – more, broader imbricate ones upwards, upper most obtuse like short petals

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Dr Pringle — a letter to Dr Parry
Buhi March 25 1869

I found Rhoeo discolor in
great abundance near the Hacienda
de Guadeloupe, between Jacualtipan
and Ototon'co el grande 2152

The older plants bear a long and thick
lateral Capsule, directed South East
from which the flowers spring
I found only dry flowers and no
fruit, nor scarcely any small
or young plants.

Rhoeo discolor — in cane
country. (This is an error
according to Dr Asa Gray Tradescantia
it is a Bolivian plant) discolor, Swartz!

T. Soulei" Asa Gray
be my R. leucocephala, common in
the Tierra caliente between Tampico
and Victoria.

R. polyclopus common on the
Rocks of Cañada de Tlacolula
always without flowers or fruit.

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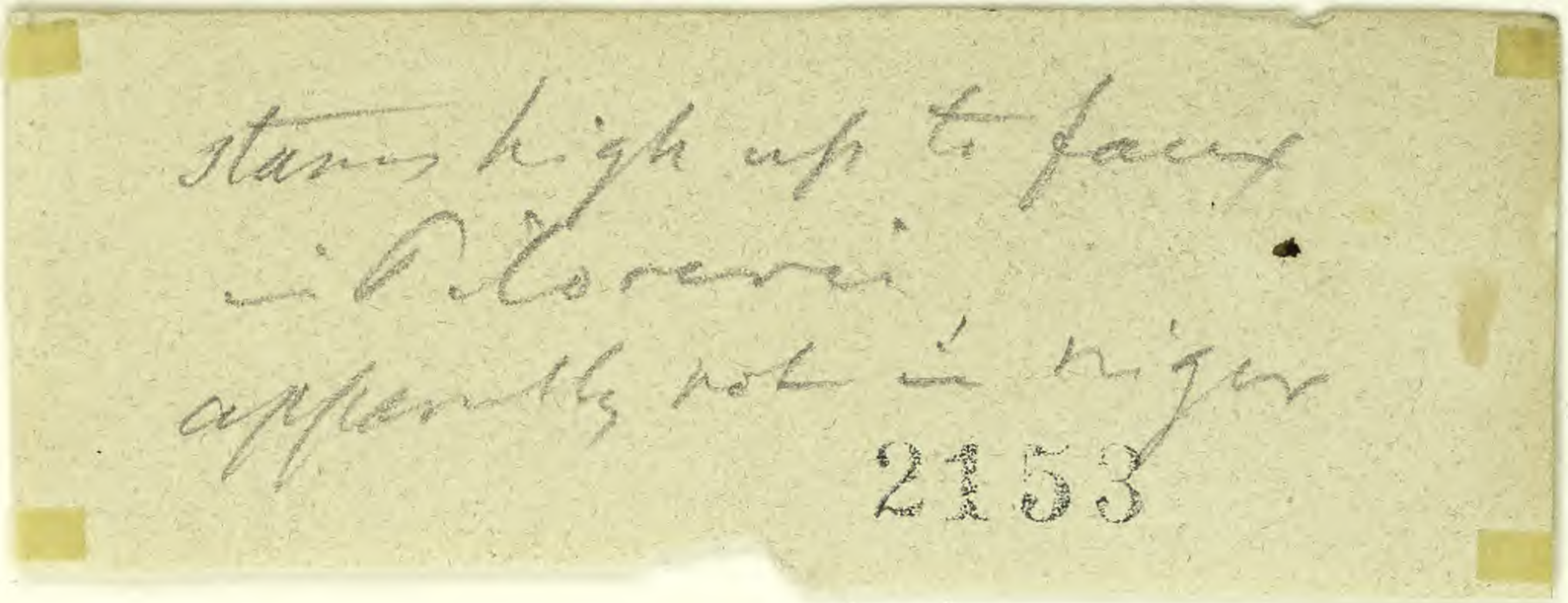
stamens high up & fancy
in Korea
apparently not in Nijer
2153
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8/11/4

2154

Piloceres

ad Dr Poselgers, Berlin June 29 1869.

Pilocereus senilis often seen about Zacatlipan
in the tierra templada — no flower or
fruit found — Cephalium always one sided
see Poselgers printed notes; 4–6 feet
long, occupies one half or more of the side.

There are two forms, one with very long
hairy spines — the other with much shorter
ones — Specimens of both are young, 10–12
inches high, with about 21 ribs — both
grow together. —

"P. Celsianus"? Found with the other —
~~a slender plant~~ ~~15 feet high, only 3 inches~~
~~diameter~~ — The specimen is a lateral
branch taken for a large plant. The
shoot is 8 inches high, 5 — in diameter
with about 24 ribs and seems nothing but
a more vigorous growth of senilis with more spiny and
larger, more woolly areolae

"P. chrysomallus"? apparently same as P. niger
from Paris — Cephalium about
one foot high; received dead from
Mr Bouché — not seen in May, 10 —
— Sterile —

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P. lorentzii leucocephalus Bzlg.

Plant slender, 10–15 feet high, 3–4 inches diameter 8–9 ribs

Cephalium entirely lateral, about 4 ribs above the Cephalium, and 5 are without it — the marginal ones somewhat intermediate — The ribs themselves do not seem to have been altered, as I find them in Weber's P. lateralis.

Plum Caliente, near Vittoria

P. lorentzii sulphureus Bzlg from La Soledad a slender plant 15 feet high, 3 inches diameter, 24 ribs — Not seen in flower nor even with a regular cephalium.

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Pilocereus senilis

Description of plant, especially the head flower, fruit & seed by Ehrenberg

Linnaea 19. (1847) p. 360

2155

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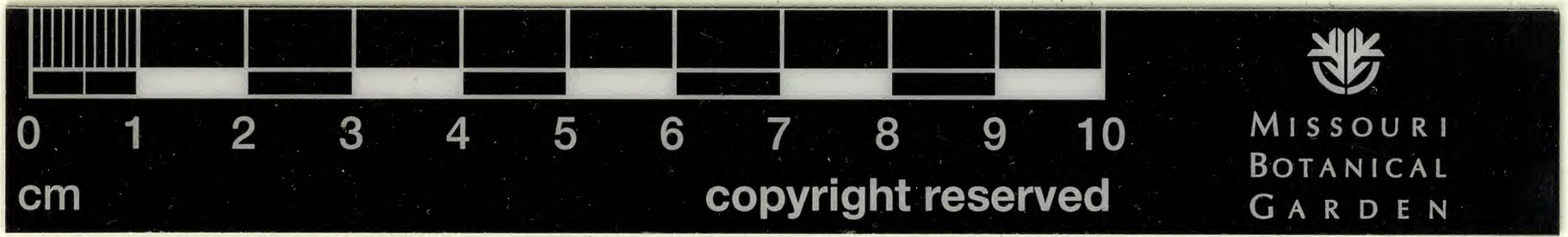
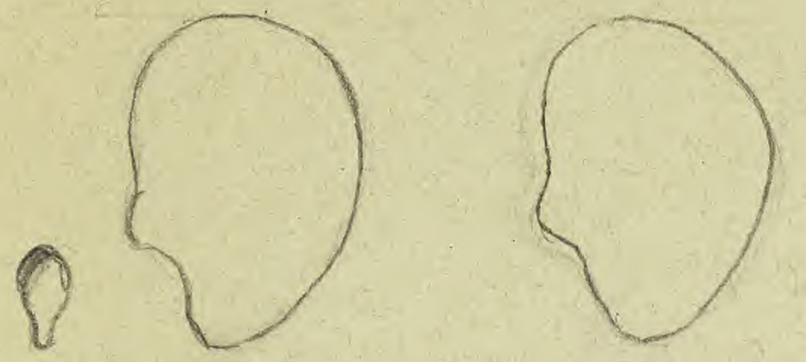


Phoreneus Schottii

July 9 1870

A Schott Coq. 1853

× 6



2156

red black shiny
smooth very
delicately reticulated

×60

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Piloreus senilis ? July 9 1870

fragments of a seed found in a worm-eaten, half
destroyed fruit, different from the seeds lying
about loose,

Specimen in Herb. Mus. Paris. April 1869

testa black, shining, delicately reticulated
and minutely pitted on
the areae or in the
interstices (cellularly)

umbilicus or hilum

×8

×60

2157

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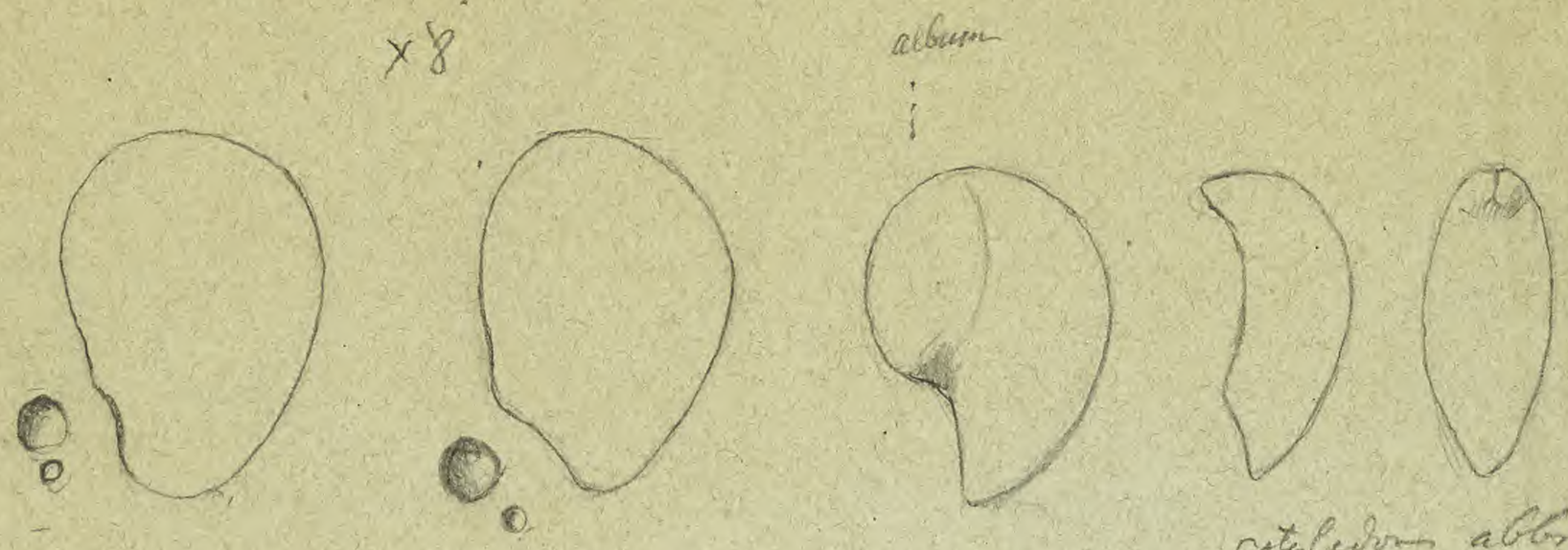
Rhoeas sericeus ? July 9 1870

seeds found in the Glass Jar with the specimen /
H6. Mus Paris, April 1869



an Schizopetalum !
Dont belong here !

2158

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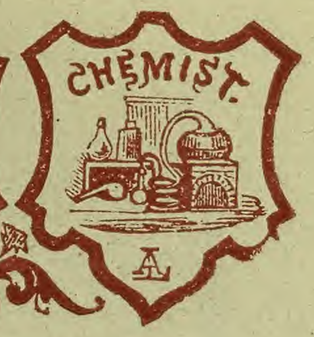
ALEX. LEITCH,

APOTHECARY & CHEMIST,

Cor. 4th and Olive Sts., St. Louis.



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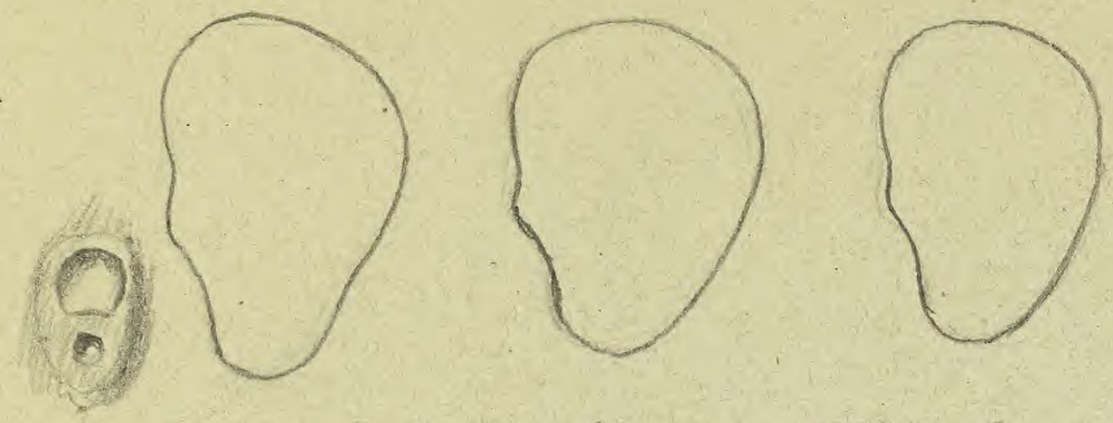
July 9 1870

Pilocereus senilis

Hlus. Paris April 1869 — old dirty specimen

Does this seed really belong here? found loose in the wool

×8



hilum & micropyle separated, both circular, hilum much the largest

surface black smooth shining

scarcely perceptibly reticulate

×60

smaller areae towards base

×60

2159

ALEX
APOTHEC
ANTITY ON HAND
Cor. 4th and

0 cm 1 2 3 4 5 6 7 8 9 10
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ALEX. LEITCH,
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ALL THE NEW REMEDIES CONSTANTLY ON HAND
CHEMISTRY

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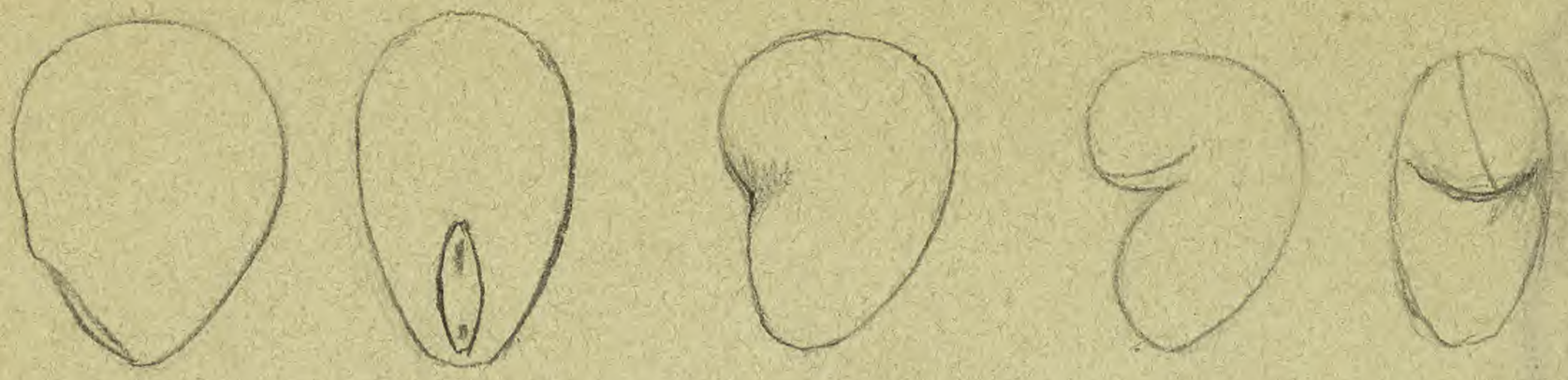
cm 0 1 2 3 4 5 6 7 8 9 10

Phloroceum lateralis A Weber

Aug 29 1870

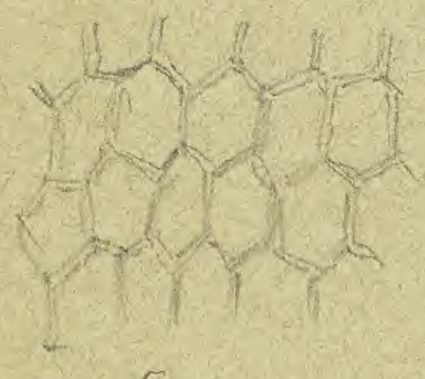
Zapotitlan

×8



2 embryos examined accumbent slightly oblique

×60



surface of seed smooth, shining very delicately reticulate

2160

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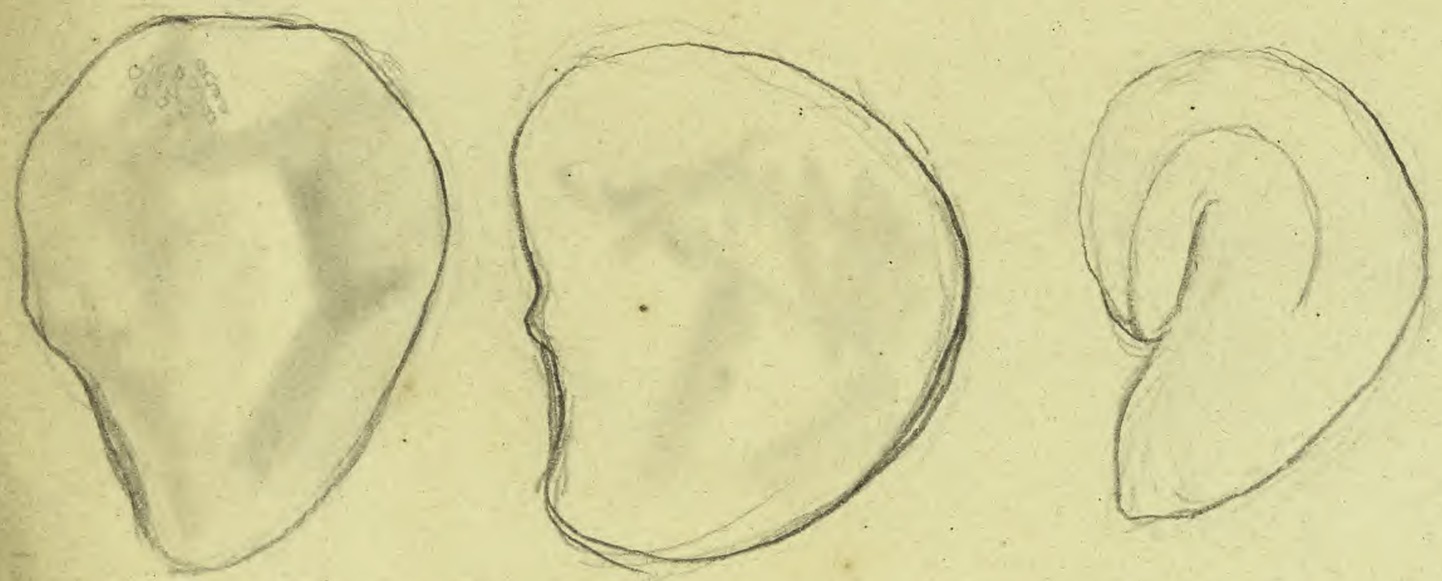
Piloceraeus chrysomallus
ex Mus. Kew

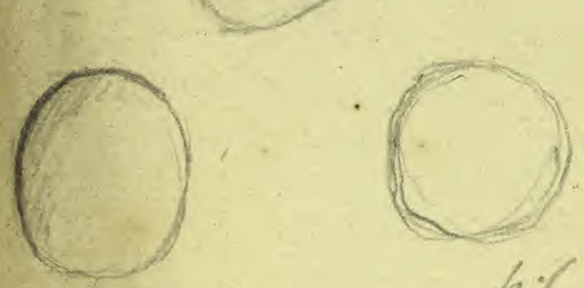
March 16 1870
July 8

2161

×8



seeds often or mostly irregularly faceted angled



testa nearly circular

hilum circular no opening visible

surface ×60 shining delicately reticulate, area more highly

M. W. ALEXANDER,

SOUTH-EAST CORNER FOURTH AND MARKET STREETS,

ST. LOUIS.

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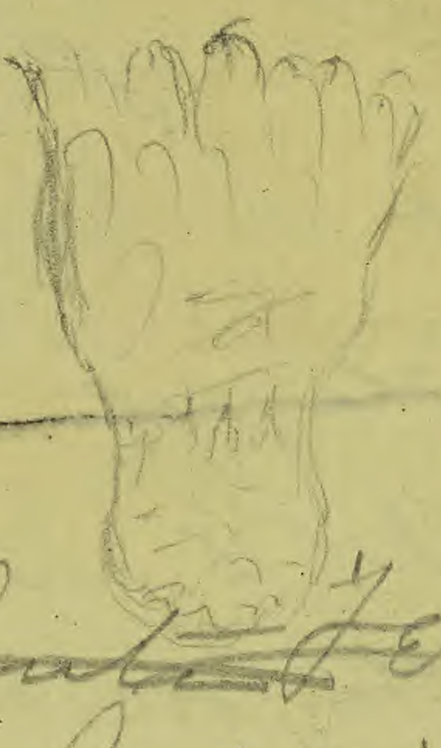
Cereus Emoryii Engelm!

Cereus? 2-3 main spines - 2 long ones usually
little hair - over 20 Areoles - No
hair? light yellow -
Sepals tips of each with purplescence a
red keel green. Petals outer red keel at
top - inner usually with red dot on
middle at top = Yellow midrib
12 Stigmas - Stamens many = yellow
red tips on anther - filaments -
of various lengths.
Small spinelets on
Sepals



Plant from Jean Lemaire
Southern Calif? - In Herb B. M.

Engelm says that this is the
first time he had seen
the flowers - No specimen
in Herb. Monell —
May 1/76

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Messrs Pennington & Son

Gentlemen

I see by the Postal card

sent by you that you misunder-

stood our order. We want Vol. 16 1st part.

The whole work was finished in 17 Vols

& we have them all except Vol 16 part 1.

~~The Vol was published in~~

Vol 16 was published in two parts but

the second part was in the market

before the first & that is the reason

we forgot to get the 1st part.

Please don't make any mistake

we want DeCandolle's Prodromus - Vol 16

part 1st (in latin Lectis prior)

Yours truly

Engm!

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Ech. visnaga?

Echinocactus (visnaga?) ovary covered with small green sepals (with whitish edge) - $\frac{5}{8}$-in long - entire flower 1½ ins long. Petals sulphur yell (or lighter) with a scarlet (s) streak down the middle, narrow + emarginate. About 4 rows the sepals colour & rows in all (sepals + petals) - Style yellow. cut into many (14?) part. half way up. Stamens many shorter than pistils. - From San Diego came in same box with the large Agave Shawii - H.S. determined it & the visnaga from Drawing in Gard. Chron. - There is also a discript. of it in Gordon. (+).

Engelm has had flowers but a plant d. d not perfect finish

June 16/76

Probably not E. visnaga. (Merrill)

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Ech setispinus. Engl.m — Flowers compare well with discript in Engl.m Cact. pl. 5 in Amer. Acad Arts & Sc. - 16. N° 6. Style & stigma project nearly ½ in from anthers. Stigmas 11. Filaments & Petals 22δ towards base - vide fig in Cact. of Bound. 20. N° 1 & 3 & 4 compare well

25/6/76

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Cactus

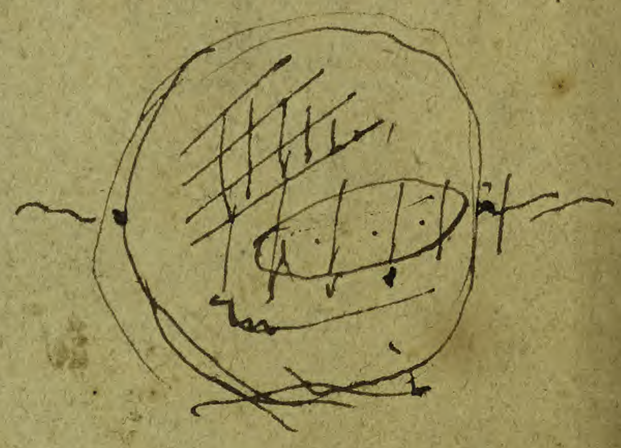
Cereus

Opuntia

Globular, smooth

globular, granulated or tuberculated

polyedral, larger



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